

ABSTRACT

A database architecture for an air traffic information display system includes a data manager including a first interface, a first database server connected to the data manager via the first interface, a firewall connected to the first database server; and a second database server connected to the first database server via the firewall and including a stored procedure for copying data from the first database. The second database server is used for computations based upon the data transactions pulled from the first database server. Thereby off-loading the first database server so that it can be more responsive to the data manager with respect to current changes. The firewall between the two servers prevents the data in the first server from being corrupted by users of the system.